

Partial Differential Equations and Applied Mathematics Seminar

Title Global Well-posedness and Stabilization
for Chemotaxis System with Signal
Dependent Sensitivity

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Date April 24th, Tue, 2:00 ~ 3:00 Pm

Location Science Building #225 Yonsei University

Abstract

In this talk, I would like to introduce a recent work done on a fully parabolic chemotaxis system with a generalized sensitivity function. We shall mainly discuss the following:

- (1) Brief introduction of 'Chemotaxis' and its continuum modeling,
- (2) Survey of previous results related to our work,
- (3) New observations: Bessel type weight function and asymptotic Lyapunov functional.